

**What is claimed is:**

1. An air blower comprising:

a case body having an air suction mouth and an outlet formed at a peripheral wall thereof;

5 a motor which is installed into the case body, having a fluid dynamic bearing; and

an impeller which is fixed to a rotation member of the motor, having a plurality of blade support plates, which is formed in the shape of a ring, capable of suctioning air from the air suction mouth by rotating and discharging from the outlet, provided at an upper and lower surfaces thereof, equalizing the difference in pressure between the upper and lower surfaces thereof.

10 2. The air blower according to claim 1, wherein the ring blade support plates include lower blade support plates provided at parts adjacent inside and outside at a lower surface of the impeller and an upper blade support plate provided at an upper surface thereof, provided a part of the upper surface between the lower plates.

3. The air blower according to any of claims 1 and 2, wherein the ring blade support plates are

15 put in a part which can cast the impeller with upper and lower plates without sliding core.